

Kirby Dam and Kirby Lake

OWNER

City of Abilene.

ENGINEER (Design)

Nagel, Witt, Rollins & Gilchrist.
W. A. Riney, city engineer.

LOCATION

On Cedar Creek in Taylor County, 5 miles south of Abilene.

DRAINAGE AREA

44 square miles.

DAM

Type Earthfill
Length 4,200 ft
Height 50 ft
Top width 20 ft
Top elevation 1,795± ft above msl

SPILLWAY

Type Masonry and earth (uncontrolled)
Location Right end of dam
Crest length 550± ft
Crest elevation 1,786.0 ft above msl
Control None

OUTLET WORKS

Low flow 2 pipes, each 24 inch diameter
Invert inlet box 1,756.0 ft above msl
Service outlet 1 pipe 18-inch diameter connects to the 24-inch pipes
Invert elevation 1,771.75 ft above msl

STATE AUTHORIZATION

Permit No. 1051 (Application No. 1126) January 23, 1928, authorized a dam to impound 8,500 acre-feet of water with annual appropriation of 14,000 acre-feet for municipal supply and 284 acre-feet for irrigation use.

RESERVOIR DATA (Based on 1941 U.S. Soil Conservation Service survey)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,795.0±	—	—
Top of spillway	1,786.0	7,620	740
Low flow outlet	1,756.0	0	0
Usable conservation storage space	—	7,620	—

Original capacity of 8,440 acre-feet has been reduced by silting to 7,620 acre-feet.

GENERAL

Construction started 1927
Dam completed 1928
Impoundment of water began 1928
General contractor Womack
Cost of the dam \$180,000

